

? ds

Set	Items	Description
S1	39	RUMINANTIUM AND (MAP(W)2 OR MAP2 OR MAJOR(W)ANTIGENIC(W) PR- OTEIN(W)2)
S2	14	RD S1 (unique items)
S3	4334	RUMINANTIUM AND PY<2000
S4	1870	RD S3 (unique items)
S5	410	S4 AND (VACCIN? OR THERAP? OR TREAT?)
S6	265	S4 AND VACCIN?

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

?

---Logging off of Dialog---

? logoff

08oct06 15:32:27 User226352 Session D966.5

SYSTEM:OS - DIALOG OneSearch

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(c) 2006 The Thomson Corporation

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(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Oct W1
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File 73:EMBASE 1974-2006/Oct 06
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File 94:JICST-EPlus 1985-2006/Jul W1
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File 98:General Sci Abs 1984-2006/Oct
(c) 2006 The HW Wilson Co.

File 103:Energy SciTec 1974-2006/Aug B1
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*File 103: For access restrictions see Help Restrict.

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(c) 2006 The HW Wilson Co

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(c) 2006 INIST/CNRS

File 155:MEDLINE(R) 1950-2006/Oct 09
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File 156:ToxFile 1965-2006/Oct W1
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(c) 2006 CAB International

File 172:EMBASE Alert 2006/Oct 06
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File 305:Analytical Abstracts 1980-2006/Sep W3
(c) 2006 Royal Soc Chemistry

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File 369:New Scientist 1994-2006/Aug W2
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(c) 1999 AAAS

*File 370: This file is closed (no updates). Use File 47 for more current information.

File 393:Beilstein Abstracts 2006/Q3
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File 399:CA SEARCH(R) 1967-2006/UD=14515
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*File 399: Use is subject to the terms of your user/customer agreement.

IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

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 \$4.26 TELNET
 \$247.14 Estimated cost this search
 \$252.10 Estimated total session cost 10.144 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 5:Biosis Previews(R) 1969-2006/Oct W1
 (c) 2006 The Thomson Corporation
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 File 24:CSA Life Sciences Abstracts 1966-2006/Aug
 (c) 2006 CSA.
 File 34:SciSearch(R) Cited Ref Sci 1990-2006/Oct W1
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 File 40:Enviroline(R) 1975-2006/Aug
 File 41:Pollution Abstracts 1966-2006/Aug
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 File 50:CAB Abstracts 1972-2006/Sep
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 File 65:Inside Conferences 1993-2006/Oct 06
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 File 71:ELSEVIER BIOBASE 1994-2006/Oct W1
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 File 73:EMBASE 1974-2006/Oct 06
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 File 94:JICST-EPlus 1985-2006/Jul W1
 (c)2006 Japan Science and Tech Corp(JST)
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 File 103:Energy SciTec 1974-2006/Aug B1
 (c) 2006 Contains copyrighted material
 *File 103: For access restrictions see Help Restrict.
 File 136:BioEngineering Abstracts 1966-2006/Aug
 (c) 2006 CSA.
 File 143:Biol. & Agric. Index 1983-2006/Jul
 (c) 2006 The HW Wilson Co
 File 144:Pascal 1973-2006/Sep W2
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 File 155:MEDLINE(R) 1950-2006/Oct 09
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 File 156:ToxFile 1965-2006/Oct W1
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 File 172:EMBASE Alert 2006/Oct 06
 (c) 2006 Elsevier B.V.
 File 305:Analytical Abstracts 1980-2006/Sep W3
 (c) 2006 Royal Soc Chemistry
 *File 305: Alert feature enhanced for multiple files, duplicate
 removal, customized scheduling. See HELP ALERT.
 File 369:New Scientist 1994-2006/Aug W2
 (c) 2006 Reed Business Information Ltd.
 File 370:Science 1996-1999/Jul W3
 (c) 1999 AAAS
 *File 370: This file is closed (no updates). Use File 47 for more current
 information.

File 393:Beilstein Abstracts 2006/Q3

(c) 2006 Beilstein GmbH

File 399:CA SEARCH(R) 1967-2006/UD=14515

(c) 2006 American Chemical Society

*File 399: Use is subject to the terms of your user/customer agreement.

IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec

(c) 2006 The Thomson Corp

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? ds

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S3	206	S2 AND PY<2000
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S5	115	(MAP2 OR MAP(W)2 OR MAJOR(W)ANTIGENIC(W)PROTEIN) AND RUMIN- ANTIUM

S6 42 RD S5 (unique items)

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>>> 76 is unauthorized

>>>1 of the specified files is not available

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 DEFINITION Cowdria ruminantium (clone pF5.2) immunodominant protein, complete
 cds; ORF, complete cds.
 ACCESSION L07385
 VERSION L07385.1 GI:289922
 KEYWORDS immunodominant protein.
 SOURCE Ehrlichia ruminantium (heartwater rickettsia)
 ORGANISM Ehrlichia ruminantium
 Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales;
 Anaplasmataceae; Ehrlichia.
 REFERENCE 1 (bases 1 to 2773)
 AUTHORS Mahan,S.M., McGuire,T.C., Semu,S.M., Bowie,M.V., Jongejan,F.,
 Rurangirwa,F.R. and Barbet,A.F.
 TITLE Molecular cloning of a gene encoding the immunogenic 21 kDa protein
 of Cowdria ruminantium
 JOURNAL Microbiology 140 (Pt 8), 2135-2142 (1994)
 PUBMED 7921263
 COMMENT Original source text: Cowdria ruminantium (library: pUC13 of Suman
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 Db 1257 ATGAAGGCTATCAAGTTTATACTTAATCTATGTTTACTATTTGCAGCAATTTTTTGGGA 1316
 Qy 61 TATTCTTACATAACAAAACAAGGTATATTCCAACCAAAATTACACGACTCTCCTGATGTT 120
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AUTHORS Mahan,S.M., McGuire,T.C., Semu,S.M., Bowie,M.V., Jongejan,F.,
Rurangirwa,F.R. and Barbet,A.F.
TITLE Molecular cloning of a gene encoding the immunogenic 21 kDa protein
of Cowdria ruminantium
JOURNAL Microbiology 140 (Pt 8), 2135-2142 (1994)
PUBMED 7921263
COMMENT Original source text: Cowdria ruminantium (library: pUC13 of Suman
Mahan) DNA.

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/mol_type="genomic DNA"
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ORIGIN

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Qy      61  TATTCTTACATAACAAAACAAGGTATATTCCAACCAAAATTACACGACTCTCCTGATGTT 120
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RESULT 6

AF117728

LOCUS AF117728 630 bp DNA linear BCT 26-JUL-2000

DEFINITION Cowdria ruminantium isolate Palm River major antigenic protein 2 gene, complete cds.

ACCESSION AF117728

VERSION AF117728.1 GI:5163240

KEYWORDS

SOURCE Ehrlichia ruminantium (heartwater rickettsia)

ORGANISM Ehrlichia ruminantium

Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Anaplasmataceae; Ehrlichia.

REFERENCE 1 (bases 1 to 630)

AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.

TITLE Potential value of major antigenic protein 2 for serological diagnosis of heartwater and related ehrlichial infections

JOURNAL Clin. Diagn. Lab. Immunol. 6 (2), 209-215 (1999)

PUBMED 10066656

REFERENCE 2 (bases 1 to 630)

AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.

TITLE Direct Submission

JOURNAL Submitted (05-JAN-1999) Pathobiology, University of Florida, 2015 SW 16th Avenue, Building 1017, Room V2-162, Gainesville, FL 32610, USA

FEATURES

source

Location/Qualifiers

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CDS

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ORIGIN

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ORIGIN

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RESULT 5

COWIMMDOM
 LOCUS COWIMMDOM 2773 bp DNA linear BCT 06-OCT-1994
 DEFINITION Cowdria ruminantium (clone pF5.2) immunodominant protein, complete
 cds; ORF, complete cds.
 L07385
 ACCESSION L07385.1 GI:289922
 VERSION L07385.1
 KEYWORDS immunodominant protein.
 SOURCE Ehrlichia ruminantium (heartwater rickettsia)
 ORGANISM Ehrlichia ruminantium
 Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales;
 Anaplasmataceae; Ehrlichia.
 REFERENCE 1 (bases 1 to 2773)

RESULT 4
 AF117727
 LOCUS AF117727 630 bp DNA linear BCT 26-JUL-2000
 DEFINITION Cowdria ruminantium isolate Highway major antigenic protein 2 gene, complete cds.
 ACCESSION AF117727
 VERSION AF117727.1 GI:5163238
 KEYWORDS
 SOURCE Ehrlichia ruminantium (heartwater rickettsia)
 ORGANISM Ehrlichia ruminantium
 Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Anaplasmataceae; Ehrlichia.
 REFERENCE 1 (bases 1 to 630)
 AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.
 TITLE Potential value of major antigenic protein 2 for serological diagnosis of heartwater and related ehrlichial infections
 JOURNAL Clin. Diagn. Lab. Immunol. 6 (2), 209-215 (1999)
 PUBMED 10066656
 REFERENCE 2 (bases 1 to 630)
 AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.
 TITLE Direct Submission
 JOURNAL Submitted (05-JAN-1999) Pathobiology, University of Florida, 2015 SW 16th Avenue, Building 1017, Room V2-162, Gainesville, FL 32610, USA

FEATURES
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ORIGIN

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US-10-722-077-26 (1-205) x AF117727 (1-630)

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Qy	41	AsnIleSerAsnLysAlaAspIleAsnThrSerPheSerLeuIleAsnGlnAspGlyIle	60
Db	133	AATATATCGAACAAAGCGGATATAAAATACTAGCTTTAGCTTAATTAATCAGGATGGTATT	192
Qy	61	ThrIleSerSerLysAspPheLeuGlyLysHisMetLeuValLeuPheGlyPheSerSer	80
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Qy      81 CysLysThrIleCysProMetGluLeuGlyLeuAlaSerThrIleLeuAspGlnLeuGly 100
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Qy      101 AsnGluSerAspLysLeuGlnValValPheIleThrIleAspProThrLysAspThrVal 120
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Db      313 AACGAATCTGACAAGTTACAAGTAGTCTTTATAACTATTGATCCAACAAAAGATACTGTA 372

Qy      121 GluThrLeuLysGluPheHisLysAsnPheAspSerArgIleGlnMetLeuThrGlyAsn 140
      |||
Db      373 GAAACACTAAAAGAGTTTCACAAAAATTTTGACTCACGGATTCAAATGTTAACAGGAAAC 432

Qy      141 IleGluAlaIleAsnGlnIleValGlnGlyTyrLysValTyrValGlyGlnProAspAsn 160
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Db      433 ATTGAAGCTATTAATCAAATAGTACAAGGGTACAAAGTATATGTAGGTCAGCCAGACAAAT 492

Qy      161 AspAsnGlnIleAsnHisSerGlyIleMetTyrIleValAspLysLysGlyGluTyrLeu 180
      |||
Db      493 GATAACCAAATTAACCATTTCTGGAATAATGTATATTGTAGACAAGAAAGGAGAATATTTA 552

Qy      181 ThrHisPheValProAspLeuLysSerLysGluProGlnValAspLysLeuLeuSerLeu 200
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Db      553 ACACATTTTGTACCAGATTTAAAGTCAAAGAGCCTCAAGTGGATAAAATTACTTTCTTTA 612

Qy      201 IleLysGlnTyrLeu 205
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Db      613 ATTAAGCAGTATCTT 627

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RESULT 5

COWIMMDOM

LOCUS COWIMMDOM 2773 bp DNA linear BCT 06-OCT-1994

DEFINITION Cowdria ruminantium (clone pF5.2) immunodominant protein, complete cds; ORF, complete cds.

ACCESSION L07385

VERSION L07385.1 GI:289922

KEYWORDS immunodominant protein.

SOURCE Ehrlichia ruminantium (heartwater rickettsia)

ORGANISM Ehrlichia ruminantium
Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales;
Anaplasmataceae; Ehrlichia.

REFERENCE 1 (bases 1 to 2773)

AUTHORS Mahan, S.M., McGuire, T.C., Semu, S.M., Bowie, M.V., Jongejan, F.,
Rurangirwa, F.R. and Barbet, A.F.TITLE Molecular cloning of a gene encoding the immunogenic 21 kDa protein
of Cowdria ruminantium

JOURNAL Microbiology 140 (Pt 8), 2135-2142 (1994)

PUBMED 7921263

COMMENT Original source text: Cowdria ruminantium (library: pUC13 of Suman
Mahan) DNA.

FEATURES

source

Location/Qualifiers

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ORIGIN

Alignment Scores:

Pred. No.:	2.31e-123	Length:	2773
Score:	1054.00	Matches:	205
Percent Similarity:	100.0%	Conservative:	0
Best Local Similarity:	100.0%	Mismatches:	0
Query Match:	100.0%	Indels:	0
DB:	15	Gaps:	0

US-10-722-077-26 (1-205) x COWIMMDOM (1-2773)

Qy	1	MetLysAlaIleLysPheIleLeuAsnLeuCysLeuLeuPheAlaAlaIlePheLeuGly	20
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Qy	21	TyrSerTyrIleThrLysGlnGlyIlePheGlnProLysLeuHisAspSerProAspVal	40
Db	1317	TATTCTTACATAACAAACAAGGTATATTCCAACCAAAATTACACGACTCTCCTGATGTT	1376
Qy	41	AsnIleSerAsnLysAlaAspIleAsnThrSerPheSerLeuIleAsnGlnAspGlyIle	60
Db	1377	AATATATCGAACAAAGCGGATATAAAATACTAGCTTTAGCTTAATTAATCAGGATGGTATT	1436
Qy	61	ThrIleSerSerLysAspPheLeuGlyLysHisMetLeuValLeuPheGlyPheSerSer	80
Db	1437	ACGATATCTAGTAAAGACTTCCTTGGAACCATATGTTAGTCCTTTTTGGGTTTTCTTCT	1496
Qy	81	CysLysThrIleCysProMetGluLeuGlyLeuAlaSerThrIleLeuAspGlnLeuGly	100
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Qy	101	AsnGluSerAspLysLeuGlnValValPheIleThrIleAspProThrLysAspThrVal	120
Db	1557	AACGAATCTGACAAAGTTACAAGTAGTCTTTATAACTATTGATCCAACAAAAGATACTGTA	1616
Qy	121	GluThrLeuLysGluPheHisLysAsnPheAspSerArgIleGlnMetLeuThrGlyAsn	140
Db	1617	GAAACACTAAAAGAGTTTCACAAAAATTTTGACTCACGGATTCAAATGTTAACAGGAAAC	1676
Qy	141	IleGluAlaIleAsnGlnIleValGlnGlyTyrLysValTyrValGlyGlnProAspAsn	160
Db	1677	ATTGAAGCTATTAATCAAATAGTACAAGGGTACAAAGTATATGTAGGTCAGCCAGACAAAT	1736
Qy	161	AspAsnGlnIleAsnHisSerGlyIleMetTyrIleValAspLysLysGlyGluTyrLeu	180
Db	1737	GATAACCAAATTAACCATCTGGAATAATGTATATTGTAGACAAGAAAGGAGAAATATTTA	1796
Qy	181	ThrHisPheValProAspLeuLysSerLysGluProGlnValAspLysLeuLeuSerLeu	200

Db 1797 ACACATTTTGTACCAGATTTAAAGTCAAAAGAGCCTCAAGTGGATAAAATTACTTTCTTTA 1856
 Qy 201 ILeLysGlnTyrLeu 205
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 Db 1857 ATTAAGCAGTATCTT 1871

RESULT 6
 AF117728

LOCUS AF117728 630 bp DNA linear BCT 26-JUL-2000
 DEFINITION Cowdria ruminantium isolate Palm River major antigenic protein 2 gene, complete cds.

ACCESSION AF117728
 VERSION AF117728.1 GI:5163240

KEYWORDS

SOURCE Ehrlichia ruminantium (heartwater rickettsia)
 ORGANISM Ehrlichia ruminantium
 Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Anaplasmataceae; Ehrlichia.

REFERENCE 1 (bases 1 to 630)
 AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.
 TITLE Potential value of major antigenic protein 2 for serological diagnosis of heartwater and related ehrlichial infections
 JOURNAL Clin. Diagn. Lab. Immunol. 6 (2), 209-215 (1999)
 PUBMED 10066656

REFERENCE 2 (bases 1 to 630)
 AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.
 TITLE Direct Submission
 JOURNAL Submitted (05-JAN-1999) Pathobiology, University of Florida, 2015 SW 16th Avenue, Building 1017, Room V2-162, Gainesville, FL 32610, USA

FEATURES
 source Location/Qualifiers
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ORIGIN

Alignment Scores:

Pred. No.:	4.36e-123	Length:	630
Score:	1046.00	Matches:	203
Percent Similarity:	99.5%	Conservative:	1
Best Local Similarity:	99.0%	Mismatches:	1
Query Match:	99.2%	Indels:	0
DB:	15	Gaps:	0

US-10-722-077-26 (1-205) x AF117728 (1-630)

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 Db 13 ATGAAGGCTATCAAGTTTATACTTAATCTATGTTTACTATTTGCAGCAATTTTTTTGGGA 72
 Qy 21 TyrSerTyrIleThrLysGlnGlyIlePheGlnProLysLeuHisAspSerProAspVal 40
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 Db 73 TATTCTTACATAACAAAACAAGGTATATTCCAACCAAAGTTACACGACTCTCCTGATGTT 132
 Qy 41 AsnIleSerAsnLysAlaAspIleAsnThrSerPheSerLeuIleAsnGlnAspGlyIle 60

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Db      193 |||ACGATATCTAGTAAAGACTTCCTTGAAAAACATATGTTAGTCCTTTTGGGTTTTCTTCT 252
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Db      253 |||TGTAAGAACTATTTGCCCCATGGAAGTAGGGTTAGCATCCACAATTCTAGATCAACTTGGC 312
Qy      101 AsnGluSerAspLysLeuGlnValValPheIleThrIleAspProThrLysAspThrVal 120
Db      313 |||AACGAAGCTGACAAGTTACAAGTAGTCTTTATAACTATTGATCCAACAAAAGATACTGTA 372
Qy      121 GluThrLeuLysGluPheHisLysAsnPheAspSerArgIleGlnMetLeuThrGlyAsn 140
Db      373 |||GAAACACTAAAAGAGTTTCACAAAAATTTTGACTCACGGATTCAAATGTAAACAGGAAAC 432
Qy      141 IleGluAlaIleAsnGlnIleValGlnGlyTyrLysValTyrValGlyGlnProAspAsn 160
Db      433 |||ATTGAAGCTATTAATCAAATAGTACAAGGGTATAAAGTATATGTAGGTCAACCAGACAAT 492
Qy      161 AspAsnGlnIleAsnHisSerGlyIleMetTyrIleValAspLysLysGlyGluTyrLeu 180
Db      493 |||GATAACCAAATTAACCATTTCTGGAATAATGTATATTGTAGATAAGAAAGGAGAATATTTA 552
Qy      181 ThrHisPheValProAspLeuLysSerLysGluProGlnValAspLysLeuLeuSerLeu 200
Db      553 |||GCACATTTTGTACCAGATTTAAAGTCAAAGAGCCTCAAGTAGATAAAATTACTTTCTTTA 612
Qy      201 IleLysGlnTyrLeu 205
Db      613 |||ATTAAGCAGTATCTT 627

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RESULT 7

AF117729

LOCUS AF117729 630 bp DNA linear BCT 26-JUL-2000
 DEFINITION Cowdria ruminantium isolate Um Banein major antigenic protein 2 gene, complete cds.

ACCESSION AF117729

VERSION AF117729.1 GI:5163242

KEYWORDS

SOURCE Ehrlichia ruminantium (heartwater rickettsia)

ORGANISM Ehrlichia ruminantium

Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Anaplasmataceae; Ehrlichia.

REFERENCE 1 (bases 1 to 630)

AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.

TITLE Potential value of major antigenic protein 2 for serological diagnosis of heartwater and related ehrlichial infections

JOURNAL Clin. Diagn. Lab. Immunol. 6 (2), 209-215 (1999)

PUBMED 10066656

REFERENCE 2 (bases 1 to 630)

AUTHORS Bowie,M.V., Reddy,G.R., Semu,S.M., Mahan,S.M. and Barbet,A.F.

TITLE Direct Submission

JOURNAL Submitted (05-JAN-1999) Pathobiology, University of Florida, 2015 SW 16th Avenue, Building 1017, Room V2-162, Gainesville, FL 32610, USA

FEATURES

source

Location/Qualifiers

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CDS

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ORIGIN

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Alignment Scores:
Pred. No.:          4.36e-123      Length:          630
Score:             1046.00         Matches:         203
Percent Similarity: 99.5%          Conservative:    1
Best Local Similarity: 99.0%        Mismatches:     1
Query Match:       99.2%           Indels:         0
DB:                15              Gaps:           0

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US-10-722-077-26 (1-205) x AF117729 (1-630)

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Qy      41 AsnIleSerAsnLysAlaAspIleAsnThrSerPheSerLeuIleAsnGlnAspGlyIle 60
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Qy      61 ThrIleSerSerLysAspPheLeuGlyLysHisMetLeuValLeuPheGlyPheSerSer 80
      |||
Db      193 ACGATATCTAGTAAAGACTTCCTTGGAACCATATGTTAGTCCTTTTTGGGTTTTCTTCT 252

Qy      81 CysLysThrIleCysProMetGluLeuGlyLeuAlaSerThrIleLeuAspGlnLeuGly 100
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Db      253 TGTAAACTATTTGCCCCATGGAAGTAGGGTTAGCATCCACAATTCTAGATCAACTTGGC 312

Qy      101 AsnGluSerAspLysLeuGlnValValPheIleThrIleAspProThrLysAspThrVal 120
      |||::|||
Db      313 AACGAAGCTGACAAGTTACAAGTAGTCTTTATAACTATTGATCCAACAAAAGATACTGTA 372

Qy      121 GluThrLeuLysGluPheHisLysAsnPheAspSerArgIleGlnMetLeuThrGlyAsn 140
      |||
Db      373 GAAACACTAAAAGAGTTTCACAAAAATTTTGACTCACGGATTCAAATGTTAACAGGAAAC 432

Qy      141 IleGluAlaIleAsnGlnIleValGlnGlyTyrLysValTyrValGlyGlnProAspAsn 160
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Db      433 ATTGAAGCTATTAATCAATAGTACAAGGGTATAAAGTATATGTAGGTCAACCAGACAAT 492

Qy      161 AspAsnGlnIleAsnHisSerGlyIleMetTyrIleValAspLysLysGlyGluTyrLeu 180
      |||
Db      493 GATAACCAAATTAACCAATTCTGGAATAATGTATATTGTAGATAAGAAAGGAGAATATTTA 552

Qy      181 ThrHisPheValProAspLeuLysSerLysGluProGlnValAspLysLeuLeuSerLeu 200
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Db      553 GCACATTTTGTACCAGATTTAAAGTCAAAGAGCCTCAAGTAGATAAATTACTTTCTTTA 612

Qy      201 IleLysGlnTyrLeu 205
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Db      613 ATTAAGCAGTATCTT 627

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